| Index of Claims                               |                      |          |           |              |           |                |          |          |           |            |          |           | Application/Control No. |                  |              |              |         |          |          |           |   | Applicant(s)/Patent under Reexamination |                   |              |         |          |  |                 |          |                 |   |
|---|----------------------|----------|-----------|--------------|-----------|----------------|----------|----------|-----------|------------|----------|-----------|-------------------------|------------------|--------------|--------------|---------|----------|----------|-----------|---|---|-------------------|--------------|---------|----------|--|-----------------|----------|-----------------|---|
| 4 18 8 19 1 18 11 18 11 1 18 11 1 18 11 1 1 1 |                      |          |           |              |           |                |          |          |           |            |          |           | 10/734,744              |                  |              |              |         |          |          |           |   |   | NOVAK, STEPHEN E. |              |         |          |  |                 |          |                 |   |
|   |                      |          |           |              |           |                |          |          |           |            |          |           |                         | Examiner         |              |              |         |          |          |           |   |   | Art Unit          |              |         |          |  |                 |          | <u> </u>        |   |
| <br>IIIIIII IIII IIII IIII IIII IIII          |                      |          |           |              |           |                |          |          |           |            |          |           |                         | Anthony J. Green |              |              |         |          |          |           |   |   | 1755              |              |         |          |  |                 | _        |                 |   |
| (Through numeral)                             |                      |          |           |              |           |                |          |          |           |            |          |           |                         |                  | ıl)          | 7            | Г       |          |          | <b>-</b>  | 41                                      |   |                   | A1           |         |          |  |                 |          |                 |   |
|   | <b>✓</b>             | Rejected |           |              |           |                |          |          | Cancelled |            |          |           |                         |                  | N            | IN           | on-     | -Elec    | tea      | -         | A                                       | Appeal                                  |                   |              |         |          |  |                 |          |                 |   |
|   |                      | =        | Allowed   |              |           |                |          |          | ÷         | Restricted |          |           | 1                       |                  |              | I            | lr      | nter     | ferer    | nce       |   | 0                                       |                   | Obj          | ecto    | ed<br>   |  |                 |          |                 |   |
| Cla   | Date                 |          |           |              | ·         |                |          |          | Claim     |            |          |           | D                       |                  | ate          |              |         |          | Cla      | aim       |   | Date                                    |                   |              |         |          |  |                 |          |                 |   |
| Final   | Original             | 2/17/06  |           |              |           |                |          |          |           | :          | Final    | Original  | 2/17/06                 |                  |              |              | į       |          |          |           | Final                                   | Original                                |                   |              |         |          |  |                 |          |                 |   |
|   | 0                    | 2        |           | 4            | 4         | 4              | _        |          | _         |            |          |           | =                       | 4                | $\downarrow$ | $\perp$      | $\bot$  | Ц        |          | _         |   |   | Ц                 | _            |         | ļ        | <u> </u>                                     | _               |          |                 |   |
|   | 1                    |          | $\dashv$  | $\dagger$    | $\dashv$  | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  |            | 26       | 51<br>52  | $\vdash$                | $\dashv$         | +            | +            | +       | $\vdash$ | $\dashv$ | $\dashv$  |   | 101<br>102                              | H                 | +            | +-      | +        | -  | $\vdash$        |          |                 |   |
|   | 3                    |          |           | $\Box$       | $\Box$    | 4              | $\Box$   |          |           |            |          | 53        |                         | 7                | $\downarrow$ | $\perp$      |         |          |          |           |   | 103                                     |                   |              |         |          |  |                 |          |                 |   |
| -   | #                    | -        | $\dashv$  | +            | $\dashv$  | $\dashv$       | $\dashv$ | _        |           | _          |          | 54<br>55  | H                       | $\dashv$         | +            |              | +       | ┼        |          | -         |   | 104<br>105                              | H                 |              | +-      | ╀        | ┝  | H               |          | Н               |   |
|   | 6                    |          |           |              | $\exists$ | $\exists$      |          |          |           |            |          | 56        |                         |                  | 1            |              | T       |          |          |           |   | 106                                     |                   | 1            | 1       |          |  | Н               |          |                 |   |
|   | 1                    |          |           | $\dashv$     | $\perp$   | $\Box$         |          |          | $\Box$    |            | L        | 57        | $\Box$                  | _                | _            |              | $\bot$  | $\perp$  |          |           |   | 107                                     | П                 |              | -       | _        |  |                 |          |                 |   |
| 1   | <b>B</b>             | =        | $\dashv$  | +            | $\dashv$  | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  | _          |          | 58<br>59  | $\vdash$                | $\dashv$         | +            | +            | +       | $\vdash$ | $\vdash$ | $\dashv$  |   | 108<br>109                              | $\vdash$          |              | +       | +        |  | -               | -        | $\vdash$        |   |
|   | 10                   |          |           | 1            | $\top$    | $\exists$      |          |          |           |            |          | 60        |                         | _                | $\dashv$     | 士            |         |          |          |           |   | 110                                     |                   | $\top$       | +       | T        | -  | H               | -        |                 |   |
| 2   | 11                   |          |           | $\perp$      | _         | $\perp$        |          |          |           |            |          | 61        | Ш                       | 1                | 4            | $\bot$       | $\bot$  |          |          |           |   | 111                                     |                   |              | $\bot$  |          |  |                 |          |                 |   |
| -   | 12<br>13             | -        | -         | $\dashv$     | +         | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  |            | -        | 62<br>63  | $\vdash$                | -+               | +            | ┿            | ╁       | $\vdash$ | $\dashv$ | _         |   | 112<br>113                              | H                 |              | +-      | ╀        | _  | -               |          | Н               |   |
|   | 1#                   |          |           | $\perp$      | $\forall$ | $\exists$      | 1        |          |           |            |          | 64        | $\Box$                  | $\dashv$         | $\top$       | +            | +       |          |          |           |   | 114                                     | H                 | -            | +       | t        | T  | Н               |          | Н               |   |
|   | 15                   |          |           | _            | $\perp$   | $\perp$        | $\Box$   |          |           |            |          | 65        | П                       | 4                | 4            | 1            | Ţ       |          |          |           |   | 115                                     |                   |              | Ţ       |          |  |                 |          |                 |   |
| 3   | 16<br>17             | =        | -         | $\dashv$     | +         | $\dashv$       | $\dashv$ | -        | $\dashv$  | _          | -        | 66<br>67  | $\vdash$                | -                |              | +            | +       | -        | $\dashv$ | _         |   | 116<br>117                              | $\vdash$          | -            |         | ╀        | H  | H               |          | $\vdash$        |   |
| 5   | 18                   | =        |           | $\dashv$     | $\forall$ | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  |            | -        | 68        | H                       | 十                | 十            | +            | +       |          | $\Box$   | $\dashv$  |   | 118                                     | H                 |              | +       | $\vdash$ |  |                 |          | $\vdash$        |   |
| 6   | 19                   | =        |           |              | $\Box$    | $\Box$         |          |          |           |            |          | 69        |                         | $\Box$           |              | $\bot$       |         |          |          |           |   | 119                                     |                   |              | $\perp$ |          |  |                 |          |                 |   |
| -   | 20<br>21<br>22<br>23 | $\vdash$ |           | $\dashv$     | $\dashv$  | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  |            | -        | 70        | $\vdash$                | -                | +            | +            | +-      |          | $\dashv$ | _         | <u> </u>                                | 120<br>121                              | $\vdash$          | -            | +       | -        | -  | -               |          | Н               |   |
|   | 22                   | $\vdash$ | $\dashv$  | _            | +         | +              | 1        |          |           | $\dashv$   | -        | 72        |                         | $\dashv$         | +            | ╅            | ╁╌      | H        | $\vdash$ | -         |   | 122                                     | $\vdash$          | +            | +       | +        | $\vdash$                                     | $\vdash$        | -        | H               |   |
|   | 23                   |          |           | $\Box$       |           |                |          |          |           |            |          | 73        |                         | I                |              |              |         |          |          |           |   | 123                                     |                   |              |         |          |  |                 |          |                 |   |
|   | 24                   | Н        | -         | +            | 4         | -              | -        | _        |           | _          |          | 74<br>75  | $\vdash$                | +                |              | _            | +       |          | -+       | _         |   | 124<br>125                              | $\vdash$          | _            | +       | -        | L  | $\vdash$        |          | Ш               |   |
| -   | 25<br>26<br>27       | H        | $\dashv$  | -+           | $\dashv$  | $\dashv$       | $\dashv$ | $\dashv$ | ᅱ         | $\dashv$   |          | 76        | $\vdash$                | $\dashv$         | +            | ╫            | +       |          | $\vdash$ | $\dashv$  |   | 126                                     |                   | +            | ╅       | ╁        | H  | $\vdash$        |          | $\vdash$        |   |
|   | 27                   |          |           | 丁            |           |                |          |          |           |            |          | 77        |                         | 1                |              |              |         |          |          |           |   | 127                                     |                   |              |         |          |  |                 |          |                 |   |
| -   | 28<br>29             | $\vdash$ | $\dashv$  | $\dashv$     | $\dashv$  | 4              | _        | _        | $\dashv$  |            | <u> </u> | 78<br>79  |                         | $\dashv$         | $\dashv$     | -            | 4-      | $\sqcup$ | $\dashv$ | _         | ļ                                       | 128                                     | H                 | $\downarrow$ | +       | ļ        | _  | Ш               |          | Щ               |   |
| 7   | 30                   | =        | $\dashv$  | $\dashv$     | $\dashv$  | +              | $\dashv$ | -        | -         | -          | -        | 80        | -                       | $\dashv$         | +            | +            | ╁       | $\vdash$ | $\dashv$ | $\dashv$  |   | 129<br>130                              | -                 |              | ╁       | +        |  | H               |          | $\vdash$        |   |
|   | 31<br>32             |          |           |              | 1         |                |          |          |           |            |          | 81        |                         |                  |              |              |         |          |          |           |   | 131                                     |                   |              |         | 1        |  |                 |          |                 |   |
| 11  | 32<br>33             | =        | -         | +            | +         | -              | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$   |          | 82<br>83  | Н                       | $\dashv$         | +            | -            | +       | -        |          | _         |   | 132                                     | $\vdash$          | _            | +       |          | $\vdash$                                     | Н               | _        | Н               |   |
| 12  | 34                   | =        |           | $\dashv$     | $\dashv$  | $\dashv$       | $\dashv$ | ᅱ        | $\dashv$  | $\dashv$   |          | 84        | $\vdash$                | $\dashv$         | -+-          | +            | +       |          | $\vdash$ | $\dashv$  |   | 133<br>134                              | H                 | +            | +-      | +        | $\vdash$                                     | Н               |          |                 |   |
| 13  | 35                   | =        |           |              |           |                |          |          |           |            |          | 85        |                         |                  | ▆            |              |         |          |          |           |   | 135                                     |                   |              |         | İ.       |  |                 |          |                 |   |
| 14  | 36                   | =        |           |              | $\perp$   | $\dashv$       | $\dashv$ | 4        | $\dashv$  | _          |          | 86        | $\sqcup$                | $\perp$          | _            | 4            |         |          |          | _         |   | 136                                     |                   |              | 1       | _        | L.   |                 |          |                 |   |
| 9   | 37<br>38             | =        | +         | -+           | +         | $\dashv$       | -        | $\dashv$ | -         |            |          | 87<br>88  | $\vdash$                | +                | +            | +            | +-      | $\vdash$ | $\vdash$ | -         |   | 137<br>138                              | $\vdash$          | +            | ┿       | ╁        | H  | $\vdash$        |          | $\vdash$        |   |
| 10  | 39                   | =        |           |              |           |                |          |          |           |            |          | 89        |                         |                  |              |              |         |          |          |           |   | 139                                     |                   |              |         |          |  |                 |          |                 |   |
| 15  | 40                   | =        |           | $\perp$      | $\perp$   | 4              | $\dashv$ | 4        | 4         | _          | <u> </u> | 90        | $\prod$                 | $\dashv$         | $\bot$       | $\bot$       | $\Box$  |          | $\Box$   | _         |   | 140                                     |                   | $\perp$      | $\bot$  | $\Box$   |  | П               |          | П               |   |
| 16<br>17                                      | 41<br>42             | =        | $\dashv$  | +            | $\dashv$  | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$   |          | 91<br>92  | $\vdash \vdash$         | $\dashv$         | +            | +            | ╁       | $\vdash$ | $\dashv$ | $\dashv$  |   | 141<br>142                              | $\vdash$          | +            | +       | -        |  | Н               | _        | Н               |   |
| 18  | 43                   | =        |           | ightharpoons |           |                |          |          |           | ╣.         |          | 93        |                         |                  |              | 土            |         |          |          |           |   | 143                                     |                   |              |         |          |  |                 |          |                 |   |
| 19  | 44                   | =        | $\dashv$  | 4            | $\dashv$  | $\blacksquare$ | $\dashv$ | 7        | 4         | ]          |          | 94        | $\Box$                  | $\dashv$         | Ŧ            | ļ,           | $\perp$ | П        |          | _]        |   | 144                                     | $\Box$            |              | F       | Г        |  | П               |          | Д               |   |
| 20  | 45<br>46             | =        | +         | +            | +         | +              | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$   |          | 95<br>96  | $\vdash \vdash$         | +                | +            | +            | +       | H        | $\dashv$ | $\dashv$  | $\vdash\vdash$                          | 145<br>146                              | $\vdash$          | +            | +       | $\vdash$ | -  | H               | $\dashv$ | dash            |   |
| 22  | 47                   | =        | $\exists$ | $\pm$        | 士         |                | 寸        | Ⅎ        | _         |            |          | 97        | H                       | _                | $\dagger$    | $\dagger$    | $^{+}$  |          | $\dashv$ | $\exists$ | $\vdash \vdash \vdash$                  | 147                                     | $\vdash$          | +            | +       | T        | $\vdash$                                     | $\vdash$        | _        | $\vdash \vdash$ |   |
| 23  | 48                   | =        | Ţ         | Ţ            | Ţ         | Ţ              | $\dashv$ | $\Box$   | $\Box$    |            |          | 98        | П                       | $\prod$          | $\bot$       | $oxed{\Box}$ | F       | П        | $\Box$   |           |   | 148                                     |                   |              |         | 匚        | _  |                 |          |                 | • |
| 24<br>25                                      | 49<br>50             | =        | $\dashv$  | +            | +         | +              | $\dashv$ | -        | -+        | $\dashv$   | -        | 99<br>100 | $\vdash$                | +                | +            | +            | +-      | H        | $\dashv$ | $\dashv$  |   | 149<br>150                              | +                 | +            | +       | $\vdash$ | $\vdash$                                     | $\vdash \vdash$ | $\dashv$ | $\dashv$        |   |
|   | ~~                   |          |           |              |           |                |          | 1        |           |            |          | ,,,,,,    |                         |                  |              |              |         |          |          |           | لــــــــــــــــــــــــــــــــــــــ |   |                   |              |         | 1        | <u>.                                    </u> | L               |          |                 |   |